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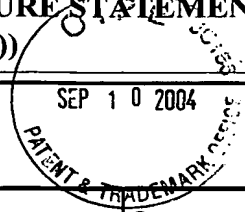
| TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c)) | | | | Docket No. PB0004 | |
|--|---------------------------------|--------------------------|-----------------------|------------------------|--------------------------|
| In Re Application Of: Sharron Gaynor Penn, et al. | | | | | |
| Application No. 09/774,203 | Filing Date January 29, 2001 | Examiner Lori A. Clow | Customer No. 22840 | Group Art Unit 1631 | Confirmation No. 7320 |
| Title: Methods and Apparatus for Predicting, Confirming, and Displaying Functional Information Derived from Genomic Sequence | | | | | |
| Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 | | | | | |
| 37 CFR 1.97(b) | | | | | |
| 1. <input type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114. | | | | | |
| 37 CFR 1.97(c) | | | | | |
| 2. <input checked="" type="checkbox"/> The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of: | | | | | |
| <input type="checkbox"/> the statement specified in 37 CFR 1.97(e); | | | | | |
| OR | | | | | |
| <input checked="" type="checkbox"/> the fee set forth in 37 CFR 1.17(p). | | | | | |

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
PB0004

In Re Application: **Sharron Gaynor Penn, et al.**

SEP 10 2004



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|-----------------|------------------|--------------|--------------|----------------|------------------|
| 09/774,203 | January 29, 2001 | Lori A. Clow | 22840 | 1631 | 7320 |

Title: **Methods and Apparatus for Predicting, Confirming, and Displaying Functional Information Derived from Genomic Sequence**

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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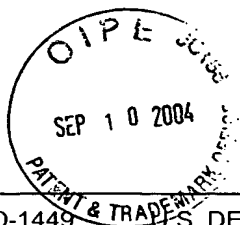


Signature
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Reg. No.: 53,073

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| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT | DOCKET NO. PB0004 | APPLICATION NO. 09/774,203 |
| | APPLICANT(S) Penn, et al. | |
| | FILING DATE January 29, 2001 | GROUP ART UNIT 1631 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----|--------------------|-----------|--------------|-------|----------|-------------------------------|
| | A1 | 5,837,832 | 17-Nov-98 | Chee, et al. | | | |

U.S. PATENT APPLICATION PUBLICATIONS

| EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|---------------------|-----|--------------------|-----------|---------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | B1 | WO 00/79006 | 28-Dec-00 | WIPO | | | | |

OTHER DOCUMENTS

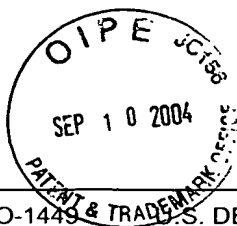
(Including Author, Title, Date, Pertinent pages, Etc.)

| EXAMINER INITIAL | REF | |
|---------------------|-----|---|
| | C1 | J. Hacia, et al., "Strategies for Mutational Analysis of the Large Multiexon <i>ATM</i> Gene Using High-Density Oligonucleotide Arrays", <i>Genome Research</i> , Volume 8, February 1998, Page 1245-1258. |
| | C2 | M. Lorence, et al., "Structural Analysis of the Gene Encoding Human 3 β -hydroxysteroid Dehydrogenase/ $\Delta^5 \rightarrow 4$ -Isomerase", <i>Mol. Endocrinol.</i> , Volume 4, 1990, Page 1850-1855. |
| | C3 | M. Marcelli, et al. "A Single Nucleotide Substitution Introduces a Premature Termination Codon into the Androgen Receptor Gene of a Patient with Receptor-negative Androgen Resistance", <i>J. Clin. Invest.</i> , Volume 85, May 1990, Page 1522-1528. |
| | C4 | J. Chin, et al., "Structure and Expression of the Human <i>MDR</i> (P-Glycoprotein) Gene Family", <i>Molecular and Cellular Biology</i> , Volume 9, Number 9, September 1989, Page 3808-3820. |
| | C5 | K. Chan, et al., "P-Glycoprotein genes in the winter flounder, <i>Pleuronectes americanus</i> : isolation of two types of genomic clones carry 3' terminal exons", <i>Biochimica et Biophysica Acta</i> , Volume 1171, 1192, Page 65-72. |
| | C6 | H. Nguyen, et al., "Does Alternative Exon Usage Contribute to Serotonin Receptor Heterogeneity", <i>Neurochem Int.</i> Volume 19, Number 4, 1991, Page 433-436. |
| | C7 | E. Uberbacher, et al., "Locating protein-coding regions in human DNA sequences by a multiple sensor-neural network approach", <i>P.N.A.S.</i> , Volume 88, 1991, Page 11261-11265. |
| | C8 | V. Solovyev, et al., "The Gene-Finder computer tools for analysis of human and model organisms genome sequences", <i>Proc. Int. Conf. Intell. Systems Mol. Biol.</i> , 1997, Page 294-302. |

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(Including Author, Title, Date, Pertinent pages, Etc.)

| EXAMINER INITIAL | REF | |
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| | C9 | S. Penn, et al., "Mining the human genome using microarrays of open reading frames", <i>Nature Genetics</i> , Volume 26, November 2000, Page 315-318. |
| | C10 | Kern, et al., "Direct Hybridization of Large-Insert Genomic Clones on High-Density Gridded cDNA filter Arrays", <i>Biotechniques</i> , Volume 23, 1997, Page 120-124. |
| | C11 | J. Hacia, et al., "Evolutionary sequences comparisons using high-density oligonucleotides arrays", <i>Nature Genetics</i> , Volume 18, February 1998, Page 155-158. |
| | C12 | Z. Guo, et al., "Oligonucleotide arrays for high resolution HLA typing", <i>Rev. Immunogenetics</i> , Volume 1, 1999, Page 220-230. |
| | C13 | Z. Guo, et al., "Direct fluorescence analysis of genetic polymorphisms by hybridization with oligonucleotides arrays on glass supports", <i>Nucleic Acids Research</i> , Volume 22, Number 24, 1994, Page 5456-5465. |
| | C14 | J. DeRisi, et al., "Exploring the Metabolic and Genetic Control of Gene Expression on a Genomic Scale", <i>Science</i> , Volume 278, 1991, Page 680-686. |
| | C15 | C. Burge, et al., "Prediction of Complete Gene Structures in Human Genomic DNA", <i>J. Mol. Biol.</i> , Volume 268, 1997, Page 78-94. |
| | C16 | M. Ansari-Lari, et al., "Comparative Sequence Analysis of a Gene-Rich Cluster at Human Chromosome 12p13 and its Syntenic Region in Mouse Chromosome 6", <i>Genome Research</i> , Volume 8, 1998, Page 29-40. |
| | C17 | J. Hacia, et al., "Detection of heterozygous mutations in BRCA1 using high density Oligonucleotide arrays and two-colour fluorescence analysis", <i>Nature Genetics</i> , Volume 14, December 1996, Page 441-447. |
| | C18 | T. Dolphin, et al., "Cloning, primary sequence and chromosomal localization of human FMO2, a new member of the flavin-containing mono-oxygenase family", <i>Biochem. J.</i> , Volume 287, 1992, Page 261-267. |
| | C19 | T. Lerner, et al., "Isolation of Genes from the Batten Candidate Region Using Exon Amplification", <i>American Journal of Medical Genetics</i> , Volume 57, 1995, Page 320-323. |

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